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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 29th November 1986

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Telegraphic address "PATENTOFIS".

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CORRIGENDA

(1)

(1) In the Gazette of India, Part III, Section-2 dated 18-01-1986 under the heading "Complete Specification accepted".

In page 35, Column 2 against No. 157116.

for Application No. 691/Cal/81.

read Application No. 621/Cal/81.

(2) In the Gazette of India, Part III, Section-2 dated 22-03-86 under the heading "Complete Specification accepted".

In page 215, Column—1 against No. 157409.

***for* Application No. 1249/Cal/81**

read Application No. 1248/Cal/81.

(2)

In the Gazette of India, Part III, Section 2, dated the 22nd March, 1986 under the heading "COMPLETE SPECIFICATION ACCEPTED" on page 212, Column 2 : (i) in respect of Patent Specification No. 157396 *For* Application No. 794/Del/84 *Read* 794/Del/81.

PATENT AGENTS

The following person has been registered as Patent agent under Section 126 of the Patents Act, 1970 :—

Shri U. D. Kapasi,
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REGISTRATION OF PATENT AGENTS

The names of the following Patent Agent have been deleted from the Register of Patent Agents under Rule 101(1)(d) of the Patents Rules, 1972 :—

(1) Shri K. Sridhar,
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High Court,
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(2) Shri R. Muralidharan,
79, Law Chambers,
High Court,
Madras-600001.

(3) Smt. Kusum Lata Saxena,
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Azad Market, Delhi.

(4) Shri B. K. Chakradeo,
Tanajinagar Chavan Nivas,
Chinchwad,
Pune-411033.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

22nd October, 1986

771/Cal/86. Siemens Aktiengesellschaft. Auxiliary switch Hookup assembly in a motor contactor.

772/Cal/86. Siemens Aktiengesellschaft. Method and device for the operation of fluid flow engines.

773/Cal/86. Pennwalt Corporation. Electrolytic cell and anode for Brine Electrolytes.

774/Cal/86. Pennwalt Corporation. Detoxification of waste water from dithiocarbamate manufacture.

23rd October, 1986

775/Cal/86. Research-Cottrell, Inc. Splash bar for cooling tower fill assembly.

776/Cal/86. Cadbury Schweppes Proprietary Limited. Reducing bacterial content of water. (Convention dated 25th October, 1985 and 8th May, 1986) both are Australia.

777/Cal/86. Mr. Daizabyro Nakamoto. Blended jute yarnsthier method of manufacture and equipments used for the same.

778/Cal/86. Metallgesellschaft Aktiengesellsellschaft. Combined gas and steam turbine process.

779/Cal/86. Metallgesellschaft Aktiengesellschaft. Process of reducing higher metal oxides to lower metal oxides.

780/Cal/86. Siemens Aktiengesellschatf. Electro-Acounstic Transducer.

24th October, 1986

778/Cal/86. Metallgesellschaft Aktiengesellschaft. Commixed alkyl amines.

27th October, 1986

782/Cal/86. University of Queensland. Conversion of starch hydrolysates to ethanol using zymomonas mobilis.

783/Cal/86. Siemens Aktiengesellschaft. Electromagnetic switchgear.

784/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to multi-zone ramp system for digital pulse generator and large scale integrated chip embodying the same.

785/Cal/86. Indian Jute Industries' Research Association. Hand pushed seed drills.

28th October, 1986

786/Cal/86. Commonwealth Scientific and Industrial Research Organization. Composite electrodes for use in solid electrolyte devices. (Convention dated 29th October, 1985) Australia.

787/Cal/86. Ethicon, Inc. Method for inhibiting post-surgical adhesion formation by the topical administration of non-steroidal anti-inflammatory drug.

788/Cal/86. Norton Company. Resin-bonded grinding wheel.

789/Cal/86. Mc Dermott Incorporated. Composite leg platform.

29th October, 1986

790/Cal/86. The South Queensland Electricity Board. Intertripping System.

791/Cal/86. MWB Messwandler-Bau Aktiengesellschaft. High-voltage current transformer and method of manufacturing.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

1st October, 1986

868/Del/86. Arrow Oil Tools, Inc., "A sealing packer".

869/Del/86. Videocolor, "A low consumption electron gun for cathode ray tubes".

870/Del/86. Videocolor, "Machine for depositing a product on a plane horizontal surface, in particular machine for depositing sintered glass on cathode tube cones".

871/Del/86. Videocolor, "Device for automatic simultaneous checking of the distance between cathodes and the second grid of a trichromatic cathode tube gun".

872/Del/86. Videocolor, "A method of manufacturing bases for vacuum tubes not requiring cutting of the inner conductors after moulding and a device for implementing same".

873/Del/86. Safety First Ltd., "Water recirculating apparatus and methods". 'Convention dated 1st October, 1985) (U.K.).

874/Del/86. Kollmorgen Technologies Corporation, "A method for metallizing a surface by electroplating". [Divisional date 24th January, 1984].

875/Del/86. R.A. Beatty & Associates Pvt. Ltd., "Improved dragline apparatus". (Convention date 2nd October, 1985) (Australia).

876/Del/86. Council of Scientific and Industrial Research "An improved process for the production of pure silicon filaments".

3rd October, 1986

877/Del/86. Damoder Das Gupta, "Improvements relating to matchboxes".

878/Del/86. Sultan Singh Jain, "A sound frequency changer".

879/Del/86. National Council for Cement & Building Materials, "A non portland hydraulic cement".

880/Del/86. National Council for Cement & Building Materials, "A cement composition".

881/Del/86. Niky Tasha India Pvt. Ltd., "A cooking appliance".

882/Del/86. Myoplex International Corporation, " A process for preparing foodstuffs from vegetable protein".

883/Del/86. Royal Ordnance PLC., "Explosive projectiles". (Convention date 22nd October, 1985) (U.K.).

884/Del/86. Kalamazoo PLC., "Cheque book assembly". (Convention date 18th October, 1985) (U.K.).

885/Del/86. Royal Ordnance PLC., "Explosive projectiles". (Convention date 22nd October, 1985) (U.K.).

886/Del/86. Union Carbide Corporation, "A process for the preparation of high strength resin composites". [Divisional date 25th January, 1984].

6th October, 1986

887/Del/86. Videocolor, "A device for correcting the deflection effect due to a variation of the focusing voltage in a trichromatic cathode ray tube within line cathodes".

888/Del/86. Alcan International Ltd., "Aluminium metal products and the formation of adhesively bonded structures". (Convention date 10th October, 1985) (U.K.).

7th October, 1986

889/Del/86. Council of Scientific and Industrial Research, "An improved process for the production of highly dense sinters (A dead burnt product) of dolomite, dolomite-magnesite mixtures, calcite, and magnesites or the mixtures thereof".

890/Del/86. Klockner Humboldt Deutz Aktiengesellschaft, "Method and apparatus for exciting jigging water vibrations, preferably in a circular jig comprising a plurality of jig regions".

891/Del/86. Guy Gaudfrin, "A filter for liquids laden with solid particles, and a filter installation including such a filter".

892/Del/86. Imperial Chemical Industries PLC., "Electrolytic cell". (Convention date 22nd October, 1985) (U.K.).

893/Del/86. Harry E. Pinkerton, "Valveless positive displacement metering pump".

894/Del/86. Vallourec, "Threaded connection for steel tubes with a sealing device localised at the threading".

895/Del/86. Avvari Rangaswamy, "Antistasis device".

8th October, 1986

896/Del/86. Neil Geddes Clarkson Hendry, "Tissue growth regulation". (Convention date 8th October, 1985) (U.K.).

897/Del/86. Satish Kumar Das, "Wire rope flexible couplings".

9th October, 1986

898/Del/86. President Engineering Corp., "Process for the production of prepregs and metal laminated base material for circuit boards, and apparatus for carrying out this process".

899/Del/86. Zontec Treatment Systems Ltd., "Ozone purification system and apparatus'. (Convention date 15th October, 1985) (Canada).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-13

18th September 1986

263/Bom/86. M. H. Dahodwala. A method for the prevention of corrosion and deposit formation on metal surfaces in the fire side of heat transfer system.

264/Bom/86. M. M. Vyas. Cement Concrete Mixer.

24th September, 1986

265/Bom/86. R. R. Shukla. Cinematograph.

266/Bom/86. Glende Myralynn Titus. Automobile ignition and electrical pocket testor and night lamp.

267/Bom/86. Kabelschlepp GmbH. A carrier for energy and supply lines.

268/Bom/86. The Comptroller Medical Center. Surgical clip, applier and method.

25th September, 1986

269/Bom/86. S. K. Bhide. Freely rolling down the seesaw electricity generator.

270/Bom/86. Honeywell Inc. Microprocessor assisted data block transfer apparatus.

26th September, 1986

271/Bom/86. Homji K. Colah and Kekoo Homji Colah. Improved suspension system for automobiles and vehicles.

272/Bom/86. Inder Nicchaladas Tarachandani. An oil gun.

273/Bom/86. A. R. Bhamburc. Shock Audio.

30th September, 1986

274/Bom/86. R. J. Vishwakarma. A latching device for doors and the like.

275/Bom/86. Alchemie Research Centre. A process for catalytic transfer hydrogenation of aliphatic or aromatic nitrocompounds to corresponding amines, particularly 4-nitrodiphenyl-amine to 4-aminodiphenylamine.

276/Bom/86. A. S. Wagh. Nip rollers with wedging action.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

6th October, 1986

782/Mas/86. Taurus Gumiipari Vallalat. Reinforced flexible hose.

783/Mas/86. D. Shanthi Rajan. A rotatory driving console.

784/Mas/86. Maschinenfabrik Rieter AG. Locating systems. (October 7, 1985; United Kingdom), January 30, 1986) U.K.

785/Mas/86. The Wiggins Teape Group Limited. Remoistenable Adhesives, (October 4, 1985, United Kingdom (April 26, 1986 U.K.).

786/Mas/86. Indian Space Research Organisation. Improvements in/or relating to front/rear surface silver reflectors and a process for making the same.

787/Mas/86. Indian Space Research Organisation. Improvements in/or relating to vacuum coating of front surface silver coatings on glass metal and dielectric substrates.

788/Mas/86. Enthone, Incorporated. Process for the treatment of copper oxide in the preparation of printed circuit boards.

7th October, 1986

789/Mas/86. D. Bashayam. Potential fault interruptors.

790/Mas/86. Lucas Industries Public Limited Company. Hydraulic brake master cylinder. (October 8, 1985; Great Britain).

791/Mas/86. M/s. Gummudipoondi Solar Products Private Ltd., Thermally powered engine.

792/Mas/86. Acme Resin Corporation. Cold-setting compositions for foundry sand cores and molds.

793/Mas/86. Shell Internationale Research Maatschappij B. V. Process and apparatus for producing a hydrogen-containing gas. (October 9, 1985; Great Britain).

794/Mas/86. Corning Glass Works. Glass-ceramics containing cristobalite and potassium fluorrichcterite.

8th October, 1986

795/Mas/86. Societe des Produits Nestle S.A. Treatment of vegetable extracts.

796/Mas/86. Palitex Project-company GmbH. A bobbin holder.

9th October, 1986

797/Mas/86. Dr. Akash Kumar Rose. A bass reflex speaker cabnet.

798/Mas/86. Turbe-Luittechnic GmbH. Fan. (August 1, 1986; Australia).

799/Mas/86. Roger Arneson. An electricity generator for bicycles.

10th October, 1986

800/Mas/86. IDL Chemicals Limited. A new process and apparatus for the commercial scale manufacture of explosive water in oil emulsions.

801/Mas/86. Separacor, Inc. Method and apparatus for catalyst containment in multiphase in membrance reactor system.

802/Mas/86. The British Hydromechanics Research Association. Feeding abrasive material. (October 10, 1985; Great Britain) (February 11, 1986; Great Britain).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 72-B. 158492

Int. Cl. : C 06 b 19/00.

LOW-WATER EMULSION EXPLOSIVE COMPOSITIONS OPTIONALLY CONTAINING INERT SALTS.

Applicant : ATLAS POWDER COMPANY, 12700 PARK CENTRAL PLACE, DALLAS, TEXAS 75251, U.S.A.

Inventor : HAROLD THEODORE FILLMAN.

Application No. 1148/Cal/81 filed October 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims

A water-in-oil explosive emulsion composition having a ½ cartridge gap sensitivity of at least three inches formed from an emulsion matrix having :

from 4% to less than 10% by weight water, and comprising from 4% to 10% by weight of the total explosive emulsion composition of a lower alkylamine, or alkanolamine nitrate sensitizing agent and from 0.25 to less than 1 % by weight of the total explosive emulsion composition non-explosive detonation catalyst.

Compl. Specn. 19 pages. Drg. Nil.

CLASS : 34-C & D; 172-F. 158493

Int. Cl. D 01 f 7/00, 7/06, 9/06.

PROCESS FOR PRODUCING ACRYLIC SYNTHETIC FIBRES HAVING IRREGULAR-FORM SECTION.

Applicant : MITSUBISHI RAYON CO., LTD., NO. 3-19, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, JAPAN.

Inventors : 1. MITSUTOSHI OCHI, 2. YOSHINOBU KOTERA. 3. MASAKI SUGIYAMA.

Application No. 372/Cal/82 filed April 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for producing an acrylic synthetic fiber having an irregular form section and a ramie-like feeling, characterized by throwing a spinning solution composed of an acrylonitrile copolymer having 70 to 90% by weight of acrylonitrile and an organic solvent, such as dimethylformamide, dimethylacetamide, dimethylsulfoxide or ethylenecarbonate, the viscosity of which is 120 poises or less at 50°C, in a coagulating bath by means of a jet having a triangular orifice, and thereafter carrying out drawing, washing and drying.

Compl. Specn. 19 pages. Drg. 2 sheets.

CLASS : 47-A & C + 84-C1. 158494

Int. Cl. : C 10 b 47/00; F 23 b 1/00, 5/00.

EQUIPMENT FOR CONTINUOUS DEVOLATILISATION OF COAL.

Applicants : ESTERN CARBONS, OF "SNEH MILAN", TELEPHONE EXCHANGE ROAD, DHANBAD-826001, BIHAR, INDIA; AND COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, OF RAFI MARG, NEW DELHI-110 001, INDIA.

Inventors : 1. SHRI ARUN KUMAR CHAKRABORTY, 2. SUDHANSU MUMAR MITRA, 3. PROSANTA KUMAR MAJUMDER, 4. SIBENDRA KUMAR BASU, 5. SATYA KINKAR MITRA, 6. SUHRID RANJAN MITRA, 7. NIRENDRA NATH ROY, 8. SHRI AMAR PRASAD BANERJI, 9. ASHOK RANJAN DAS GUPTA.

Application No. 387/Cal/82 filed April 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An equipment for continuous devolatilisation of coal for the production of smoke less solid fuel suitable for domestic use, comprising a refractory-lined vertical shaft of rectangular/square cross-section with slightly tapered inside widening towards the bottom, means for feeding the charge provided at the top of the shaft and means for discharging the devolatilised product, provided at the bottom of the shaft, said discharge means being adapted to allow air to be drawn inside the shaft from the bottom thereof and means to withdraw the gaseous products of combustion and devolatilisation from near the top of the shaft, whereby the solid flow takes place from the top to bottom of the shaft while the hot gas flow is caused to take place from the bottom to top of the shaft, thus effecting counter—current heat transfer.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 129-B. 158495

Int. Cl B 21 c 1/00.

A METHOD OF AND AN APPARATUS FOR FORMING TAPERED-WALL METAL CAN BODIES BY DRAWING.

Applicant : METAL BOX p.l.c. (FORMERLY METAL BOX LIMITED), OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventors : 1. JOZEF TADEUSZ FRANEX, 2. PAUL PORUCZNIK.

Application No. 452/Cal/82 filed April 22, 1982.

Convention dated 22nd April, 1981 (81 12489) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Clause

A method of forming tapered-wall metal can bodies by drawing, including the steps of :—

a. advancing a metal can body blank (64) comprising a smooth generally cylindrical wall (66) an integral base (68) at one end of said wall (66), which merges into said wall (66) by means of a short, tapered, intermediate section (72) and a trimmed free rim (70) exposed at the opposite, open end of said wall (66), said rim (70) being generally normal to said wall (66), base (68) first, into a die (42) (hereafter the "tapered die") by means of a punch (18) engaged inside the blank (64), so as to bring the said wall (66) progressively into greater contact with a tapered internal working surface (44) of the die (42);

b. simultaneously with the step (a) applying longitudinal pressure, as well as transverse restraint, to the exposed free rim (70) of the said wall (66) whereby toe urge the blank (64) squarely into the tapered die (42), and maintaining at least that pressure, and restraint, as the blank (64) is advanced progressively further into said tapered die (42); and

c. continuing the advancement of said blank (64) by continued advancement of said punch (18) and simultaneous application of said longitudinal pressure, and transverse restraint, to said rim (70), until the said wall (66) lies uniformly against said working surface (44) of said die (42) throughout a desired longitudinal length of said wall (66).

Compl. Specn. 29 pages. Drg. 8 sheets.

CLASS : 93; 188. 158496

Int. Cl. : B 01 j 2/04; B 05 b 13/00; B 05 c 11/06; B 44 d 1/08; C 23 c 7/00.

HIGHLY CONCENTRATED SUPERSONIC LIQUIFIED MATERIAL FLAME SPRAY APPARATUS.

Applicant : BROWNING ENGINEERING CORPORATION P.O. BOX 863 HANOVER, NEW HAMPSHIRE, U.S.A.

Inventor : 1. JAMES A. BROWNING.

Application No. 872/Cal/82 filed July 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A highly concentrated superonic material flame spray apparatus comprising :

a spray gun body,

a high pressure essentially closed combustion chamber within said body,

means for continuously flowing an oxy-fuel mixture under high pressure through said combustion chamber for ignition within said chamber,

said body comprising combustion chamber products of combustion discharge passage means at one end thereof,

said body further comprising an elongated nozzle downstream of said combustion chamber discharge passage means said nozzle comprising a converging inlet bore portion leading to a throat and having an extended length outlet bore portion, and wherein said bore has a length that is at least five times the diameter of said nozzle bore throat,

said combustion chamber discharge passage means comprising means for conveying a converging flow of the discharge hot products of combustion, after exit from the combustion chamber into the entrance of the nozzle inlet bore portion and means for introducing material in solid form outside of the combustion chamber axially into the hot combustion gases for subsequent heat softening or melting and acceleration with the point of introduction of the solid material being at the entrance to or within the converging inlet portion of the bore of said nozzle to restrict the diameter of the column of particles passing through the nozzle bore, prevent build-up of particle material on the nozzle bore wall while insuring sufficient particle dwell time within the gas stream to effect particle heat softening or melting prior to particle impact on a substrate downstream of the discharge end of the nozzle bore.

Compl. Specn. 22 pages. Drg 2 sheets

CLASS : 62-D; 155-F_2.

Int. Cl. : D 06 m 13/00.

AN IMPROVED ION-EXCHANGE METHOD OF ROT-PROOFING JUTE MATERIALS WITH CUPRIC IONS.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATOLA ROAD, CALCUTTA-700088, WEST BENGAL, INDIA.

Inventor : 1. BIRENDRA LAL GHOSH.

Application No. 1084/Cal/82 filed September 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims

In an improved ion-exchange method of producing rot-proof jute material with cupric ions the improvement comprises the steps of immersing the said jute material in a bath of aqueous cupric acetate solution of 0.1 to 2% strength at a temperature ranging from 20°C to 35°C for a period of time ranging from 3 to 7 minutes at a fabric to liquor ratio of 1 : 2 to 1 : 4 (w/v); passing the material through a squeeze-roll or a pair of rollers in the padding mangle, adjusting to give complete take-up of the solution followed by air drying them in a horizontal position as hereinbefore described, giving a deposit of copper in the range from 0.3% to 0.6% on the jute materials.

Compl. Specn. 14 pages. Drg. Nil.

CLASS : 70-B. 158498

Int. Cl. G 01 n 27/30.

CATHODE FOR ELECTROLYSIS OF ACID SOLUTIONS AND PROCESS FOR THE PREPARATION THEREOF.

Applicant : PERMELEC ELECTRODE LTD., OF NO. 1159, ISHIKAWA, FUJISAWA-SHI, KANAGAWA, JAPAN.

Inventors : 1. HIROSHI ASANO, 2. TAKAYUKI SHIMAMUNE, 3. TOSHIKI GOTO, 4. MASASHI HOSONUMA.

Application No. 1095/Cal/82 filed September 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A cathode for electrolyzing said solutions which comprises

an electrically conductive metal substrate of titanium, tantalum, niobium, zirconium, nickel or an alloy thereof,

a spray coated layer of a cathode active material containing tungsten, tungsten carbide or a mixture thereof in an amount of at least 10% by weight on said substrate, and

an impregnation coated layer of at least 1 g/m^2 of an acid resistant fluorine containing resing composed of tetrafluoroethylene, fluorochloroethylene or tetrafluoroethylene-hexafluoropropylene copolymer, on the outside surface of said spray coated layer of cathode active material.

Compl. Specn. 15 pages. Drg. Nil.

CLASS : 148-L. 158499

Int. Cl. : G 03 c 1/34.

PHOTOGRAPHIC FILMS CONTAINING DITHIOCARBAZYLIC ACID DERIVATIVES AS STABILISERS.

Applicant : VEB FILMFABRIK WOLFEN, OF 444 WOLFEN 1, GERMAN DEMOCRACTIC REPUBLIC.

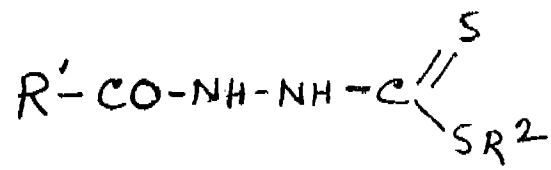
Inventors : 1. HORST ENGELMANN, 2. GUNTHER FISCHER, 3. GUNTHER BACH, 4. CHRISTA MELZ, 5. KARL-HEINZ BAUER.

Application No. 1171/Cal/82 filed October 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An improved photographic film comprising a film substrate and at least one silver halide emulsion layer, characterized in that it contains a compound of the general formula shown in Fig. 1 of the accompanying drawings,



1 Formula

in which

R^1 denotes an unsubstituted or substituted alkyl group, an unsubstituted or substituted aralkyl group, or an unsubstituted or substituted aryl group, and

R^2 denotes an unsubstituted or substituted alkyl group an unsubstituted or substituted aralkyl group, an alkali metal atom, or an ammonium group,

and, if desired said film may have at least one auxiliary layer, the compound of the given general formula shown in Fig. 1 being present in at least one of the said halide emulsion and auxiliary layers.

Compl. Specn. 22 pages. Drg. 1 sheet.

CLASS : 91. 158500

Int. Cl. : G 05 d 13/00.

IMPROVED SMOKE CONTROL APPARATUS FOR A TURBOCHARGED DIESEL ENGINE.

Applicant : AMBAC INDUSTRIES, INCORPORATED AT 5200 AUTO CLUB DRIVE, DEARBORN, MICHIGAN 48126, UNITED STATES OF AMERICA.

Inventors : 1. JAMES RICHARD VOSS.

Application No. 1184/Cal/82 filed April 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved smoke control apparatus for a turbocharged diesel engine, comprising in combination a signal generator for producing one or more signals representative of one or

more definitive parameters of the kinetic energy of the engine exhaust flow which drives the turbocharger of said engine; a memory for storing information which is a function of the response of said turbocharger to changes in said parameters; an addressing circuit for accessing said information in response to said one or more signals to produce one or more other signals representative of substantially the maximum rate at which the delivery of fuel to said engine can be increased from its existing level without producing more than a predetermined level of smoke from said exhaust; and a fuel delivery restrictor for limiting said rate of increase of fuel delivery in response to said one or more other signals to prevent said rate of increase in fuel delivery from rising above said substantially maximum rate.

Compl. Specn. 47 pages. Drg. 4 sheets.

CLASS : 32-A$_1$. 158501

Int. Cl. : C 09 b 43/16.

PROCESS FOR PREPARING WATER-SOLUBLE DISAZO COMPOUND, PROCESSES FOR THEIR PREPARATION.

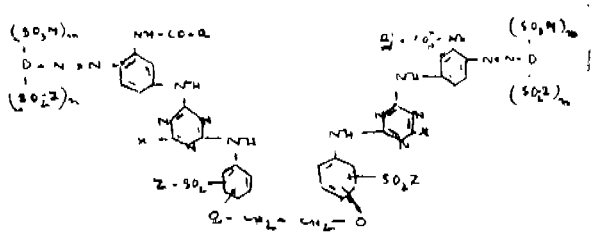
Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HERMANN FUCHS.

Application No. 1300/Cal/82 filed November 5, 1982.

12 Claims

A process for preparing a water-soluble disazo compound of the formula (1) of the accompanying drawings



Formula 1

in which

m is the number 1, 2 or 3;

n is the number zero or 1;

D is the radical of a diazo component of the benzene or naphthalene series which, in addition to the sulfo groups shown and, if appropriate, the group -SO$_2$-Z shown, can contain further substituents, and these two diazo components are identical to each other;

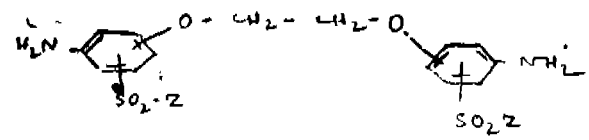
R is the amino group or an amino which is mono-or disubstituted by one or two lower alkyl groups, which can each be substituted by a phenyl radical, or is an amino group which is substituted by a cycloalkyl group having a total of 5 to 8 carbon atoms, or an amino group which is disubstituted by a lower alkyl or a phenyl-substituted lower alkyl group and a cycloalkyl group having a total of 5 to 8 carbon atoms, or is the phenylamino group the benzene nucleus of which can be substituted by 1 or 2 substituents from the group consisting of methoxy, ethoxy, methyl, ethyl, sulfo and chlorine, or is an amino group which is substituted by a lower alkyl group and a phenyl group in which the benzene nucleus can be substituted by 1 or 2 substituents from the group consisting of methoxy, ethoxy, methyl, ethyl, sulfo and chlorine, or is a lower alkyl group which can be substituted by a halogen atom, the cyano, carboxyl, sulfohydroxy, sulfato, thiosulfato, phosphato or acetoxy group or by a phenyl radical, or is an alkenyl group of 2 to 4 carbon atoms, which can be substituted by a carboxy group or a chlorine or bromine atom, and the two R have the same meanings;

X is a chlorine or fluorine atom and the two X have the same meanings;

Z is the vinyl group or a group of the formula -CH$_2$-CH$_2$Y in which

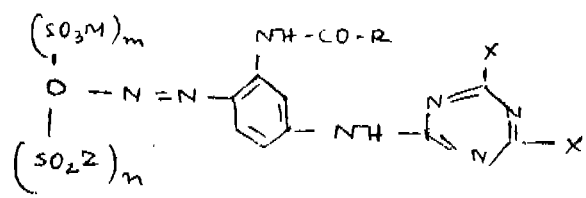
Y denotes an inorganic or organic substituent which can be eliminated under alkaline conditions;

M is a hydrogen atom or the equivalent of a monovalent or divalent metal; and the two groups -SO$_2$-Z which are bonded to the two benzene nuclei which are linked by the ethylenedioxy radical have the same meaning which comprises reacting a diamino compound of the formula (2)



Formula 2

in which Z has the meaning mentioned above and is in each case identical, in a two fold molar amount with an azo compound of the formula (3)



Formula 3

in which D, M, R, X, Z, m and n have the meanings mentioned above and is in each case identical at a pH value between 4 and 8 and at a temperature between 10 and 80°C.

Compl. Specn. 33 pages. Drg. 2 sheets.

CLASS 85-P : 158502.

Int. Cl. : C 04 b 3/00; F 27 b 19/00.

CALCINING APPARATUS FOR POWDERY MATERIALS.

Applicants : 1. MITSUBISHI JUKOGYO KABUSHIKI KAISHA, OF 5-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN (2) MITSUBISHI MINING & CEMENT CO. LTD., OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. HIROFUMI HATANO, 2. MASAYASU YAMASAKI, 3. ATSUSHI SASAKI, 4. KEIGO MIKAMI, 5. KIYOMICHI TAODA, 6. MITSUHARU MURAKAMI.

Application No. 1414/Cal/82 filed December 6, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Calcining apparatus for a powdery material, wherein the powdery material passes before feeding to a rotary kiln through multistage, suspension preheaters and a calcining device, comprising a first preheater series (I) with solid-gas separators (15, 14, 13, 12, 11) arranged one below the other and connected by gaspipes (14a, 13a, 12a, 11a), the undermost separator being connected by an exhaust gas pipe (6) to the calcining kiln (5), and a second preheater series (II) with solid gas separators (25, 24, 23, 22, 21) connected by gaspipes (24a, 23a, 22a, 21a), the undermost separator being

connected by an exhaust gas pipe (2) to the rotary kiln (1) and further comprising feeding devices (16, 26) for feeding the powdery material to said series, said separators being provided with powdery material discharging passages (15b, 14b, 13b, 25b, 24b, 23b) each passage being connected to a gaspipe (13a, 12a, 11a, 23a, 22a, 21a) leading to the next but one separator of a series, which series are connected with one another in a plurality of stages, characterised by a gas carrying pipe (41) connecting the exhaust gas pipes (2, 6) of the first and second series, the powdery material discharging passages (12b, 22b) of the penultimate separators of each said series (12, 22), and by passages connecting the downstream ends of the powdery material streams of both said series in such a way that the powdery material is fed to the rotary kiln (1)

(I) the exhaust gas pipe (2) of the second series, the last separator (21) of the second series, the calcining kiln (5) and the last separator (11) of the first series; or via

(II) the calcining kiln (5), the last separator (11) of the first series and the gas carrying pipe (41) connecting the first and second series, the exhaust gas pipe (2) of the second series and the last separator (21) of the second series.

Compl. Specn. 45 pages. Drg. 10 sheets.

Ind. Cl. : 21C. 158503

Int. Cl. : A 43 B 7/00.

Title : AN ELECTRONIC PACE AND DISTANCE COUNTING SHOE ALONGWITH SIMULTANEOUS GENERATION OF MUSICAL NOTATION SIGNALS FOR ENTERTAINMENT.

Applicant & Inventor : CHYUAN JONG WU, TAIWANESE NATIONAL OF NO. 15, LANE 47, TA-TUNG ROAD, FEISHA TSUN, SU-HU HSIANG, YUN-LIN HSIEN, TAIWAN REPUBLIC OF CHINA.

Application No. 233/Bom/83 filed on July 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

18 Claims

An electronic pace and distance counting shoe alongwith simultaneous generation of musical notation signals for entertainment comprising disposition of a switching means for generating a pace signal in response to each pace by the said shoe; and means responsive to said pace signals for generating an interval count indicative of the time interval between successive pace signals; means responsive to said interval count for generating a rate signal indicative of the repetition rate of said paces; means for storing the details of a predetermined number of paces; means for comprising said pace count to said stored number of paces, and generating alarm signals in accordance with said comparison; means for storing details of a predetermined stride length; means for multiplying said paces by said predetermined stride length, for providing total distance; means for counting the time; and means for selectively applying said pace count and said rate signal to a display device for providing details of said counts.

Compl. Specn. 25 pages. Drg. 10 sheets.

IND. CLASS : 116 G. 158504

Int. Cl. : B 65 G 47/90.

Title : A ELECTRO-MAGNETIC PICK-UP/(CON VEYING/ACCELERATING/SHOT BLASTING SYSTEM.

Applicant : KIRLOSKAR FILTERS PRIVATE LIMITED. AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 759/104, DECCAN GYMKHANA, PUNE-411004, MAHARASHTRA.

Inventors : PRASAD BHALCHANDRA MATE.

Application No. 384/Bom/1983 filed on Dec. 6, 1983.

Complete after provisional left on Dec. 13, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

Electro-magnetic pick-up/conveying/accelerating/shot-blasting system of the type herein described comprises a shot blasting gun having a combination of :

(i) a plurality of electro-magnetic coils/solenoids in descending order in respect of number of turns and wound around a non-magnetic pipe, channel or flat plate or the like;

(ii) a plurality of separators separating adjacent electro-magnetic coils/solenoids to obtain desired uni-directional magnetic wave form of desired velocity acceleration for magnetic components/particles/parts or non-magnetic components/particles packed in magnetic foil or the like conveyed therethrough; and

(iii) a control panel for controlling supply of desired current to obtain desired magnetic wave form of desired velocity/acceleration to convey said particles to desired distance, said control panel being connected to electric mains supply source;

the arrangement being such that when electric current is passed through said coils solenoids a magnetic line of pre-set velocity/acceleration is generated in said non-magnetic pipe, channel or flat plate or the like located within said magnetic coils/solenoids so that magnetic components/parts or non magnetic components/parts packed in magnetic foil coming in the magnetic filed so generated are picked-up, accelerated, conveyed and shot blasted under magnetic attraction through open space either parabolically or longitudinally to a distant place at pre-set velocities without any frictional loss by said uni-directional magnetic waves generated therewithin when current is passed through them.

Prov. Specn. 5 pages. Drg. 1 sheet.

Compl. Specn. 8 pages Drg. Nil.

IND. CL. : 32C + 553_A. 158505

Int. Cl. : C07g — 15/00, C12K — 1/04.

Title : PROCESS FOR THE PREPARATION OF PENICILLINASE-PROTEIN CONJUGATE FROM PENICILLINASE ENZYME AND PEPTIDE OR POLYPEPTIDE HORMONES FOR DETECTION OF PROTEIN HORMONES.

Applicant : HINDUSTAN ANTIBIOTICS LTD., PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA.

Inventors : (1) DR. (MRS.) USHA MADHUSUDAN JOSHI, AND (2) DR. PRABHAKAR SHRIPAD BORKAR.

Application No. 137/Bom/1984 filed on 7th May, 1984.

1 Claim

A process for the preparation of penicilinase-Protein conjugate from penicillinase enzymes and peptide or polypeptide hormone for the detection of protein hormones, and said process comprising, reacting penicillinase with peptide or polypeptide hormone at pH 6.5 to 8.5 and mole to mole basis such as Human Chrionic Gonadotropin (hCG), Human Placental Lactogen (hPL), in molar proportions, in presence of bifunctional agent such as gluteraldehyde.

Compl. Specn. 7 pages. Drg. Nil.

IND. CL. : 40B. 158506

Int. Cl. : B01J—11/04.

Title : A LOW TEMPERATURE PROCESS FOR THE REGENERATION OF SPENT COPPER CHROMITE HYDROGENATION CATALYST.

Applicants : HINDUSTAN ORGANIC CHEMICALS LIMITED, RASAYANI, DIST. RAIGAD, PIN-410207, MAHARASHTRA, INDIA.

Inventors : (1) DR. JAGAT KUMAR DAS, (2) DR. MOHAMMAD AMIR SIDDIQUI, (3) DR. MUTHUSWAMI SRIRAM, (4) MR. SAHULHAMEED MOHAMMAD TAJUDEEN AND (5) DR. PRABHAKAR VITHAL ARUR.

Application No. 145/Bom/1984 filed May 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A process for the regeneration of a deactivated copper chromite hydrogenation catalyst in pellet form, which involves the controlled oxidation of the carbonaceous deposits either in-situ or externally by the said process comprising of :

(a) either passing nitrogen through the said deactivated catalyst bed in the same reactor at 25 to 200°C or transferring the said deactivated catalyst at ambient temperature, avoiding exposure to air, from the reactor to a separate regenerator and

(b) passing a mixture of dry oil-free air and nitrogen through the said deactivated catalyst bed at a temperature of 75° to 300°C.

Compl. Specn. 8 pages. Drg. Nil.

IND. CL. : 140As. 158507

Int. Cl. : C10 m 1/00, 5/00.

Title : AN OIL ADDITIVE COMPOSITION FOR USE IN LUBRICATING COMPOSITION.

Applicants : INDIAN OIL CORPORATION LIMITED, AN INDIAN COMPANY, 254-C, DR. ANNIE BESANT ROAD, PRABHADEVI, BOMBAY-400 025, MAHARASHTRA, INDIA.

Inventors : 1. DR. SOM PRAKASH SRIVASTAVA, (2) SHRI KANDISSERIL CHELLAPAN JAYAPRAKASH, (3) SHRI SUBHASH CHAND, (4) SHRI KRISHNAN CHAND MEHTA AND (5) SHRI PREM KRISHAN GOEL.

Application No. 146/Bom/1984 filed on 14th May, 1984.

Divisional to 160/Bom/1982 dated 25-6-1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

10 Claims

An oil additive composition for use in lubricating composition comprising 0.5 to 3% by weight of sulphurised polyisobutylene, 0.1 to 1% by weight of an aryl phosphate ester, 0.1 to 2% by weight of an alkylated dihpenyl amine, 0.1 to 1% by weight of an alkyl orthophosphate, 0.02 to 0.1% by weight of an alkenyl succinic acid ester, .01 to .04% by weight of a known metal deactivator and 1 to 10 ppm of a known antifoam agent.

Compl. Specn. 10 pages. Drg. Nil.

CLASS : 160 C. 158508

Int. Cl. : B 60 r 21/06.

Title : IMPROVEMENTS IN OR RELATING TO A DEVICE FOR A MOTOR VEHICLE, TO REDUCE GLARE WHILE DRIVING CAUSED BY HEADLIGHTS OF OTHER MOTOR VEHICLES.

Applicants & Inventors : PRIYAL KHANDERAO KULKARNI & VIJAY PRIYAL KULKARNI, 84/17, ERANDAVANE, PUNE-411 004, MAHARASHTRA, INDIA.

Application No. 156/Bom/1984 filed May 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

An improved device, fitted on a motor vehicle to reduce glare on eyes of driver of vehicle caused by the head light beams of vehicle coming in the opposite direction, comprising a tinged screen made from transparent plastic or glass with a dark shade to reduce intensity of light passing through it, the said screen mounted on a lever arm pivoted in a block fixed on extreme inside right of wind shield glass of motor vehicle, the said lever arm has a slotted extension opposite to the pivot point in which engages a pin mounted on an arm of a bell crank lever pivoted on the block, the other arm of the said bell crank lever pivoted on the block, the other arm of the said bell crank lever connected to an iron plunger on one side and a spring on the opposite side, the other end of spring being fixed on the said block and the said iron plunger moving axially in an electric solenoid, the winding of solenoid connected to a battery through a number of resistances which are brought in the electrical circuit by a number of push buttons of a multiway switch mounted on the steering wheel of the vehicle, the configuration is so arranged that pressing of each button of multiway switch varies current in the solenoid winding and the said iron plunger is pulled to different positions against the pull of the spring and the different positions of the iron plunger cause in turn the tinged screen to take vertically different positions on the wind screen, so that the driver of vehicle fitted with the device presses a requisite button on the multiway switch to position the tinged screen, so that the beam of light of opposite vehicle reaching drivers eyes passes through the tinged screen and does not cause glare on his eyes.

Compl. Specn. 15 pages. Drg. 2 sheets.

CLASS : 39L + 108 B2a + b. 158509

Int. Cl. : C01 f 7/02.

A PROCESS OF PRODUCING ALUMINIUM HYDROXIDE FROM LOW GRADE ALUMINOUS IRON ORE.

Applicants : VASANT KRISHNAJI VHATKAR 812 'C' WARD RAVIWAR PETH, KOLHAPUR-416 001, MAHARASHTRA, INDIA.

Application No. 253/Bom/1984 filed Sep. 10, 1984.

Divisional to patent application No. 336/Bom/81 dated 18-2-1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A process for producing aluminium hydroxide from a low grade aluminous iron ore which comprises (i) pulverizing the said ore (ii) mixing the pulverized ore with coke breeze, soda ash and water in a mixer-cum-pug mill to form a paste in the form of sticks (iii) roasting the said sticks in an oil fired rotary kiln at a temperature of the order of 950°C (iv) leaching the roasted sticks of the said paste with water to obtain a solution of sodium aluminate (v) treating the said solution of sodium aluminate in a tank, with carbon dioxide to produce sodium carbonate and a precipitate of aluminium hydroxide and (vi) separating the aluminium hydroxide by any known method.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 84 D. 158510

Int. Cl. : C 10 l 5/00.

A METHOD OF PRODUCING STABLIZED LOW SULPHUR HEAVY STOCK REFERRED TO AS (L SH S) AND LIGNITE MIX BRIQUETTES, CHIPS, SPHERES OR SLABS FORMING COMPOSITE SOLID FUEL WITHOUT ANY ADDITIVES.

Applicants : THE ASSOCIATED CEMENT COMPANIES' LIMITED, CEMENT HOUSE, 121, MAHARSHI KARVE ROAD, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventors : (1) DR. VINOD CHINTAMANI MALSHE, (2) DEEPAK MANSUKHLAL SHETH & (3) PRATAP DATTATRAYA SURVE.

Application No. 257/Bom/1984 filed on Sep. 15, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A method of producing stablized Low Sulphur Heavy Stock referred to as LSHS and Lignite mix briquettes, chips, spheres or slabs forming composite solid fuel without any additives comprises of following steps :

(i) heating LSHS having a melting point of 45°C. at a temperature above 100 C, upto 115°C. before dry ground lignite is mixed to molten LSHS;

(ii) adding fine dry ground lignite to the melt of step (i) while stirring with agitation;

(iii) pouring the product of step (ii) in cold water and allowing it to set into slabs of wax which is then converted into briquettes; optionally the fine ground lignite is placed in an externally heated pan nodulizer heated at temperature above 80 C. and to which is added molten LSHS of step (i) over a period of not less than ½ hour while the contents of pan nodulizer are heated and kept rotating till spheres of desired size are formed and then discharging the said formed spheres from pan nodulizer and cooling to ambient temperature.

Compl. Specn. 7 pages. Drg. Nil.

CLASS : 21B. 158511

Int. Cl. : A43b 1/00, 13/02 & 17/00.

"SHOES MADE OF A THERMOPLASTIC MATERIAL SUCH AS POLYVINYL CHLORIDE AND A MATHOD OF THEIR MANUFACTURE".

Applicant : SPORTS EQUIPMENT PVT. LTD., B-10, HANS BHAWAN, BAHADURSHAH ZAFAR MARG, New Delhi-110002, INDIA, AN INDIAN COMPANY.

Inventor : SUBHASH MEHTA.

Applicant for Patent No. 284/Del/1982 filed on 12th April, 1982.

Complete specification left on 11th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A shoe made of a plastic material such as polyvinyl chloride characterized in that plugs with bores are fitted in eyelets in each facing of the shoe the plugs being secured to a reinforcing strip fixed on the inner surface of said facings.

Provisional Specification 4 pages.

Complete Specification 6 pages Drg 1 sheet.

CLASS : 32 E. 158512

Int. Cl. : C 08f 3/00.

"AN IMPROVED PROCESS FOR THE PREPARATION OF HIGH IMPACT POLYMERS OF VINYL AROMATIC COMPOUNDS."

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventors : JAI KRISHNA NIGAM, DATTAPRASAD ACHYUT DABHOLKAR, GEETA UNNIKRISHNAN AND PREM KUMAR MAIR.

Application for Patent No. 347/Del/1982 filed on 6th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An improved process for the preparation of high impact polymers of vinyl aromatic compounds characterized in that a quinone or quinone imine type compound or a natural or synthetic compound as described herein and which is capable of generating quinone or quinone imine type compounds upon thermal decomposition is added in an aqueous media to the reaction mixtures as herein described.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 55E4. 158513

Int. Cl. : A61k 27/00.

"PROCESS FOR THE PREPARATION OF NEW ORAL DIPYRIDAMOLE PREPARATIONS".

Applicant : DR. KARL THOMAE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, Of BIBERACH AN DER RISS, FEDERAL REPUBLIC OF GERMANY.

Inventors : ROLF BRICKL, PETER GRUBER, GOTTFRIED SCHEPKY & GERHARD BOZLER.

Application for Patent No. 440/Del/82 filed on 11th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

17 Claims

A process for the preparation of oral preparations in the form of granules, pellets or tablets containing dipyridamole or a physiologically acceptable acid addition salt thereof, with a relative bioavailability of more than 100% (relative to dipyridamole solutions) and giving rise to substantially lower inter- and intraindividual blood dipyridamole level fluctuations, comprising intimately mixing of at least 5 equivalents of one or more orally acceptable acidic excipients with one mole of dipyridamole or acid addition salt thereof, optionally together with conventional additives, and forming pellets or granules thereof which are, optionally, filled into capsules or pressed to tablets and if desired coated with a coating.

Compl. Specn. 27 pages. Drg. 3 sheets.

CLASS : 32F4. 158514

Int. Cl. : C07f 9/04.

"A PROCESS FOR THE PREPARATION OF O, O-DIMETHYL-PHOSPHORODITHIOIC ACID".

Applicant : PETROCHEMICAL ENGG. CO. (P) LTD. OF 303 JYOTI APARTMENTS, 66 NEHRU PLACE, NEW DELHI-110019, INDIA, AN INDIAN COMPANY.

Inventor : RAJARAM DHONDIBA SHINGTE.

Application for Patent No. 500/Del/1982 filed on 5th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of O, O-dimethyl-phosphorodithioic acid which consists in preparing a suspended mixture of phosphorous pentasulphide in a suspending agent adding methanol thereto for causing a reaction with phosphorous pentasulphide to produce O, O-dimethyl-phosphorodithioic acid, characterized in that said suspending agent consists of methylene dichloride, heating the suspended mixture to a temperature of at least 40°C but lower than 55°C.

Compl. Specn. 8 pages.

CLASS : 205 B G & 136 M. 158515

Int. Cl. : B29h 17/34.

"METHOD OF CONSTRUCTING AN INSULATED STEEL BEAD FOR A RADIAL STEEL BELTED STEEL PLY TIRE".

Applicant : THE GENERAL TIRE & RUBBER COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIA, U.S.A. OF ONE GENERAL STREET, AKRON, OHIO, 44329, UNITED STATES OF AMERICA.

Inventor : RONALD JAMES FORSYTH.

Application for Patent No. 544/Del/1982 filed on 19th July 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A method of constructing an insulated steel bead of a radial steel belted, steel ply tire, said steel bead being adjacent the steel body ply of the tire, characterised in the steps of : (a) producing a first-stage composite by forming a strand of rubber covered steel wire into a multiple strand of substantially circular configuration, the cross-sectional area of said first-stage composite being of a substantially hexagonal shape, to form a bead bundle; (b) producing a second-stage composite by tightly envelope wrapping said first-stage composite with green natural rubber insulation obtaining thereby a second-stage composite having ta substantially circular cross-section; (c) producing a third-stage composite by tightly helically wrapping said second-stage composite with a narrow width of fabric; and (d) thereafter coating said third-stage composite with an appropriate lubricant to produce a composite bead ring structure, said fabric preventing movement of said rubber insulation caused by the turning of said steel body ply up over the bead due to pressures incurred during molding of the tire and by forces incurred during tire operation and said composite bead ring structure preventing metal-to-metal contact between the steel of the bead and the steel of the body ply, fretting and corrosion.

Compl. Specn. 7 pages. Drg. 3 sheets.

CLASS : 40 H. 158516

Int. Cl. : F25j 3/08.

"PROCESS FOR IMPROVED PRESSURE SWING ADSORPTION AND APPARATUS FOR CARRYING OUT THE SAME".

Applicant UNION CARBIDE CORPORATION, MANUFACTURERS A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, LOCATED AT OLD RIDGEBURY ROAD, DENBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventors : GEORGE ERNEST KELLER II & CHIA MUEI ALEX KUO.

Applicant for patent No. 553/Del/82 filed on 20th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

21 Claims

An improved pressure swing adsorption process for separating a more readily adsorbable gas component(s) from less readily adsorbable gas component(s) of a gas mixture comprising :

(a) introducing said gas mixture to an adsorption column, containing an adsorbent capable of selectively adsorbing the more readily adsorbable gas component(s) of said gas mixture, at a point between the opposite ends of the column,

(b) imposing cyclic gas flow and pressure variations on the gas mixture in said column from a first end thereof by a first, larger, cyclic volume displacement means;

(c) imposing cyclic gas flow and pressure variations on the gas mixture in said column at the same time from the second end thereof by a second, smaller, cyclic volume displacement means, the ratio of the volume displacement produced by said second means to that of said first means being from 0.15 to 0.65, the second means imposing said cyclic flow and pressure variations relative to the flow and pressure variation of said first means at a phase angle within the range of from 30°lag to 90° lead;

(d) withdrawing a gas stream enriched in one said gas component from the first end of the column; and

(e) withdrawing a gas stream enriched in the other said gas component(s) from the second end of the column, whereby the gas mixture passes rapidly back and forth within said column, achieving an enhanced separation of the gas mixture and production of the desired product.

Compl. Specn. 27 pages. Drg. 3 sheets.

CLASS : 98-I, 206-E. 158517

Int. Cl. : H01L 7/00.

"METHOD AND APPARATUS FOR GROWING A CRYSTALLIZED BODY FROM A MELT".

Applicant : MOBIL SOLAR ENERGY CORPORATION, FORMERLY KNOWN AS MOBIL TYCO SOLAR ENERGY CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : JURIS PAUL KALEJS.

Application for Patent No. 556/Del/1982 filed on 21st July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

23 Claims

A method of growing a crystallized body from a melt of the kind such as herein described wherein a shaping member is used in the growth zone and there exists a meniscus of said melt between said shaping member and the liquid/solid growth interface, and wherein said growth zone is enveloped with a gas mixture containing an additive gas of the kind such as herein described capable of beneficially altering the physical or chemical properties of the grown crystallized body, said process comprising discharging said gas mixture from gas passage means terminating proximate to the bottom of said

meniscus into a flow path leading along the melt surface of said meniscus to cause said gas mixture to flow substantially uniformly over the entire surface of said meniscus.

Compl. Specn. 47 pages. Drg 5 sheets.

CLASS : 136 E and 9 D. 158518

Int. Cl. : B 22f 1/00 and 3/00.

"METHOD OF PRODUCING POWDER METALLURGY ARTICLES".

Applicant : CRUCIBLE MATERIALS CORPORATION A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 88, PARKWAY WEST & ROUTE 60, PITTSBURGH, PENNSYLVANIA 15230, UNITED STATES OF AMERICA.

Inventors : WALTR THOMAS HASWELL AND WILLIAM STASKO.

Application for Patent No. 567/Del/1982 filed on 26th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A method of producing a powder metallurgy article, comprising forming by any known method a powder alloy wherein each powder particle has the composition, in weight percent :—

Manganese : 0.2 to 1.5%

Chromium : 1.5 to 6%

Molybdenum : 0.50 to 6%

Vanadium : 7 to 10% optionally partially replaced by up to 5% tungsten and up to 5% niobium

Carbon : 0.25% min., 0.40 max., plus 0.16 x % vanadium, plus the stoichiometric amount required to balance any tungsten and niobium present, balance, iron and incidental elements and impurities characteristic of steel making practice, and compacting said powder alloy to form an article in a manner known perse to get a fully martensitic structure with essentially no carbon in the steel matric in excess of the carbon necessary to combine with the vanadium and any tungsten and niobium present to form vanadium, tungsten and niobium carbides and to ensure the fully martensitic structure, and if required quesching the article from the austiniliging temperature to produce an article having a hardness of at least 50 Rc.

Compl. Specn. 20 pages.

CLASS : 52A. 158519

Int. Cl. : B26d 1/18 & B65h 33/10.

"AN APPARATUS FOR CUTTING A SUBSTRATE OR WEB".

Applicant : POLYMER PAPERS LIMITED, OF L-41, CONNAUGHT CIRCUS, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : GURMIT SINGH.

Application for Patent No. 597/Del/1982 filed on 4th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A cutting apparatus for cutting a web or substrate which may be in a pleated form comprising a frame supporting a slidable table, a longitudinal slot provided in said table, a rotable cutter saw extending outwardly through said slot, said table being capable of slidable movement in relation to said cutter saw, and adjustable members fitted on the said table for positioning the web or substrate therebetween for the step of cutting.

Compl. Specn. 9 pages. Drg 2 sheets.

CLASS : 32 B & 40 E. 158520

Int. Cl. : B01d, 1/00, 1/22, 11|04, 17|00.

"A PROCESS FOR RECOVERY OF STYRENE FROM A POLYMERIZATE".

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventors : JAI KRISHNA NIGAM, PREM KUMAR MAIR, GEETA UNIKRISHNAN AND DATTAPRASAD ACHYUT DABHOLKAR.

Application for Paten No. 653/Del/1982 filed on 28th August 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for recovery of styrene from a polymerizate consisting of polystyrene comprising in introducing the polymerizate into a devolitizer vessel having a reduced pressure characterized in first subjecting the polymerizate to the step of shredding as herein described to cause a large surface area of the polymerizate to be exposed to the step of vapor formation, said step of shredding being effected within said vessel, heating said shredded polymerizate to a temperature of 200 to 240°C to cause a vaporization of the monomer styrene.

Compl. Specn. 8 pages.

A limited number of printed copies of the under noted specification are available for sale from the patent office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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148132

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PATENTS SEALED

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STATEMENT REGARDING ASSIGNMENTS OF PATENTS REGISTERED UNDER SECTION 68 FOR THE PERIOD OF JULY 1986 TO SEPTEMBER 1986.

(From Indian to Indian)

Patent Nos.	Patentee	Assigned to	Date of Assignment	Entry made Under Sec.	Entry made on	Royalty
154308	President, Union of India	National Research Dev. Corpn. of India, New Delhi.	13-9-85	68	28-8-86	Re. 1/-
142429	Director, All India Institute of Medical Sciences, New Delhi.	Do.	16-5-86	68	26-8-86	Re. 1/-
145675	Do.	Do.	16-5-86	68	26-8-86	Re. 1/-
142668	Do.	Do.	16-5-86	68	26-8-86	Re. 1/-

STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SECTION 68 & 69 FOR THE PERIOD OF JULY 1986 TO SEPTEMBER 1986

(From Indian to Indian)

Patent Nos.	Patentee	Licence granted to	Licence granted on	Entry made Under Sec.	Entry made on
153020 . .	Vinod Rai V. Barchha West Bengal	Ashok Iron & Steel Fabricators	15-6-85	Sec. 68 & Sec. 69	27-8-86
153021 . .	Do.	Do.	Do.	Do.	Do.

RENEWAL FEES PAID

137606 138127 138274 138308 138344 139417 139654 139745
139834 139966 139982 140669 140924 141056 141524 141751
141863 142299 142629 142630 142631 142632 142650 142754
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147404 147493 147574 147616 147701 147712 147788 147913
148026 148056 148099 148165 148347 148429 148476 148609
148820 148829 148834 148878 148881 148901 148902 149256
149319 149383 149586 149716 150055 150086 150188 150275
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RESTORATION PROCEEDNGS

(1)

Notice is hereby given that an application for restoration of Patent No. 153560 dated the 26th December, 1979 made by Sport Australia (Export) Pty. Limited on the 28th November, 1985 and notified in the Gazette of India, Part III, Section 2 dated the 1st March, 1986 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 153361 dated the 19th November, 1979 made by Pracdes Pty. Limited on the 13th December, 1985 and notified in the Gazette of India, Part III, Section 2 dated the 12th April, 1986 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 156947. Pan Electric Corporation, a corporation organized under the laws of the State of Nevada, United States of America of Crowell Building, 402 N. Carson Street, Carson City, Nevada, United States of America. "a Cable Clamping Device". 9th April, 1986.

Class. 1. No. 156987. State Rail Authority of New South Wales of 1131 York Street, Sydney New South Wales, Australia. "a Rail Car". Reciprocity date 25th October, 1985 (Australia).

Class. 1. No. 157062. SRF Nippondense Limited, 42, Community Centre, New Friends Colony, New Delhi-110065, India, an Indian Company. "Alternator" 13 May, 1986.

Class. 1. No. 157079. SRF Nippondense Limited, 42 Community Centre, New Friends Colony, New Delhi-110065. India. an India Company. "Lamination". 22nd May, 1986.

Class. 1. No. 157053. Duralium Corporation (India) a registered firm of G-89 Sarvodayanagar, 1st Panjarapole Lane, Bombay-400 004, State of Maharashtra, India. "Ice Pick". 12th May, 1986.

Class. 3. No. 157214. Beter Home Plastics. 2, Lalit Bhawan, Juhu Lane, Andheri West, Bombay-400059, State of Maharashtra, India, an Indian Partnership Firm. "Container". 30th June, 1986.

Class. 3. No. 156977. Ishaq Asgharali Tinwala, Indian national, residing at 44 Shamikh, Church Road, Marol, Bombay-400 059, State of Maharashtra, India, "a door-holder". 18th April, 1986.

Class. 3. No. 156975. S. P. Industries, 12 Ganesh Chandra Avenue, Calcutta-7000013, West Bengal, India, an Indian Partnership Firm. "Ball Point Pens". 18th April, 1986.

Class. 3. No. 157009. Carena Sahu Company Limited, an Indian Company, duly registered under the Companies Act, 1956 and having its Registered Office at : New Udyog Mandir Compound, Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India, "A Footwear". 1st May, 1986.

Class. 3. No. 157091. Pee Kay Corporation, 11A/37, Nehru Nagar, Ghaziabad (U.P.) India (an Indian Partnership firm). "Paper Clip". 27th May, 1986.

Class. 3. Nos. 157075, 157076, 157077, 157078. Eagle Flask Private Limited, (a company incorporated under the Indian Companies Act) at Eagle Estate, Talegaon-410 507, District-Pune, State of Maharashtra, India. "Casserole". 20th May, 1986.

Class. 3. No. 157054. Mcpherson's Limited, a Company incorporated under the laws of the State of Victoria, Australia, of 525 Collins Street, Melbourne, Victoria, Australia. "a Knife Scabbard". Reciprocity date 11th November, 1985. (Australia).

Class. 3. Nos. 157068, 157069. Cosmic Marketing Services India Private Limited, 5, Anjali Apartments, Ramkrishna Mission Marg, 14B, Road, Khar, Bombay-400052, Maharashtra, India, a private limited company incorporated under the Indian Companies Act. "Road Mark". 16th May, 1986.

Class. 3. No. 157070. Sinter Plast Containers, Plastics Division of the Bharat Vijay Mills Ltd., Kalol (N.G.) Gujarat State-382 721, India, an Indian Company. "Gobar Gas Holder". 16th May, 1986.

Class 4. No. 156959. Mangla Hollow Blocks & Tiles, Thokur Near Baikampady, Mangalore-575010, Karnataka, India. An Indian Partnership Firm. "Terracrete Slab Tiles". 15th April, 1986.

Class. 5. Nos. 157023, 157024, 157025, 157026. GTC Industries Limited, (a company incorporated under the Provisions of Indian Companies Act) at Tabacco House, Vile Parle, Bombay-400 056, State of Maharashtra, India. "Cigarette Packet" 6th May, 1986.

Class 6. No. 156969. World Wide Equestrain Limited, a British Company of 16 Broadway North, Walsall, West Midlands, England. a 'Cavesson' Reciprocity date 17th October, 1985 (U.K.).

Extn. *of Copyright for the Second period of five years.*

Nos. 150680, 150394, 150927, 150951, 150942, 150871, 156181, 156184, 156185, 156190, 156191, 156192, 156186, 156187, 155838, 156188, 156189, 156193.....Class-I.

Nos. 150948, 156111, 156307, 156444. .....Class-3.

Nos. 150674, 150675, 150676, 150677, 150678, 150679, 150745 .....Class-4.

Nos. 156199, 156154, 156155, 156403, 155663. .....Class-5.

Nos. 150848, 150849, 156195. .....Class-12.

R. A. ACHARYA,
Controller General of Patents, Designs and Trade Marks

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